

Title (en)

DEVICE FOR CONTROLLING A MOS TRANSISTOR

Title (de)

EINRICHTUNG ZUR STEUERUNG EINES MOS-TRANSISTORS

Title (fr)

DISPOSITIF DE COMMANDE D'UN TRANSISTOR MOS

Publication

EP 1992069 A2 20081119 (FR)

Application

EP 06847182 A 20061219

Priority

- FR 2006051392 W 20061219
- FR 0600572 A 20060123

Abstract (en)

[origin: WO2007083008A2] The invention concerns a device for controlling a transistor, said device comprising an amplifying device (15) for controlling the transistor gate via an output control signal, said device including a first input connected to the transistor drain, the whole assembly forming a first connection, a second input connected to the transistor source, the whole assembly forming a second connection. According to the invention, the control device also comprises: at least one protecting device including at least one switching element (T1) which is inserted in series in said first connection of the amplifying device (15) to prevent a leakage current from passing through said first connection, and a device generating a regulating voltage to control the transistor, said generating device being configured such that there exists the same number of semiconductor junctions between the first and second connections. The invention is in particular applicable on battery charging devices.

IPC 8 full level

H03K 17/082 (2006.01); **H03K 17/16** (2006.01)

CPC (source: EP US)

H03K 17/0822 (2013.01 - EP US); **H03K 17/6877** (2013.01 - EP US); **H03K 2217/0036** (2013.01 - EP US)

Citation (search report)

See references of WO 2007083008A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2896643 A1 20070727; **FR 2896643 B1 20090109**; AT E463078 T1 20100415; DE 602006013354 D1 20100512; EP 1992069 A2 20081119; EP 1992069 B1 20100331; JP 2009524403 A 20090625; US 2010270894 A1 20101028; US 8416548 B2 20130409; WO 2007083008 A2 20070726; WO 2007083008 A3 20071122

DOCDB simple family (application)

FR 0600572 A 20060123; AT 06847182 T 20061219; DE 602006013354 T 20061219; EP 06847182 A 20061219; FR 2006051392 W 20061219; JP 2008551814 A 20061219; US 16120706 A 20061219